

PF-0695-2 CON

<110> Yue, Henry
Tang, Y. Tom
Lal, Preeti G.
Reddy, Roopa
Baughn, Mariah R.
Yang, Junming
Azimzai, Yalda

<120> FULL-LENGTH EXPRESSED GENETIC MARKERS

<130> PF-0695-2 CON

<140> To Be Assigned

<141> Herewith

<150> 09/311,894

<151> 1999-05-14

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<213> Homo sapiens

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Leu	Lys	Arg	Lys	Ala	Ala	Ala	Glu	Glu	Leu	Gln	Glu	Ala	Ala	Gly
				20					25					30
Ala	Gly	Asp	Gly	Ala	Thr	Glu	Asn	Gly	Val	Gln	Pro	Pro	Lys	Ala
				35					40					45
Ala	Ala	Phe	Pro	Pro	Gly	Phe	Ser	Ile	Ser	Glu	Ile	Lys	Asn	Lys
				50					55					60
Gln	Arg	Arg	His	Leu	Met	Phe	Thr	Arg	Trp	Lys	Gln	Gln	Gln	Arg
				65					70					75
Lys	Glu	Lys	Leu	Ala	Ala	Lys	Lys	Lys	Leu	Lys	Lys	Glu	Arg	Glu
				80					85					90
Ala	Leu	Gly	Asp	Lys	Ala	Pro	Pro	Lys	Pro	Val	Pro	Lys	Thr	Ile
				95					100					105
Asp	Asn	Gln	Arg	Val	Tyr	Asp	Glu	Thr	Thr	Val	Asp	Pro	Asn	Asp
				110					115					120
Glu	Glu	Val	Ala	Tyr	Asp	Glu	Ala	Thr	Asp	Glu	Phe	Ala	Ser	Tyr
				125					130					135
Phe	Asn	Lys	Gln	Thr	Ser	Pro	Lys	Ile	Leu	Ile	Thr	Thr	Ser	Asp

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Asp	Cys	His	Ala	Asn	Pro	Arg	Lys	Tyr	Pro	Thr	Cys	Gln	Lys	Ser
				95					100					105
Glu	Val	Leu	Gly	Val	Ser	Ile	Tyr	Val	Ser	Ile	Cys	Pro	Ser	Thr
				110					115					120
Arg	Pro	Arg	Asp	Lys	Asn	Lys	Thr	Lys	Lys	Arg	Cys	Gln	Val	Leu
				125					130					135
Glu	Ala	Val	Leu	Val	Ser	Lys	Pro	Ser	Gly	Ser	Cys	His	Gln	Gly
				140					145					150
Ser	Phe	Glu	Ile	Val	Pro	His	Val	Lys	Gly	Asn	Leu	Ala	Phe	Thr
				155					160					165
Ser	Ser	Asn	His											

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Met Glu Ser Asn Val Lys Val Gln Arg Gln Glu Gly Ala Lys Val
1 5 10 15
Ser Leu Met Ser Pro Asp Gln Leu Arg Asn Lys Phe Pro Trp Ile
20 25 30
Asn Thr Glu Gly Val Ala Leu Ala Ser Tyr Gly Met Glu Asp Glu
35 40 45
Gly Trp Phe Asp Pro Trp Cys Leu Leu Gln Gly Leu Arg Arg Lys
50 55 60
Val Gln Ser Leu Gly Val Leu Phe Cys Gln Gly Glu Val Thr Arg
65 70 75
Phe Val Ser Ser Ser Gln Arg Met Leu Thr Thr Asp Asp Lys Ala
80 85 90
Val Val Leu Lys Arg Ile His Glu Val His Val Lys Met Asp Arg
95 100 105
Ser Leu Glu Tyr Gln Pro Val Glu Cys Ala Ile Val Ile Asn Ala
110 115 120
Ala Gly Ala Trp Ser Ala Gln Ile Ala Ala Leu Ala Gly Val Gly
125 130 135
Glu Gly Pro Pro Gly Thr Leu Gln Gly Thr Lys Leu Pro Val Glu
140 145 150
Pro Arg Lys Arg Tyr Val Tyr Val Trp His Cys Pro Gln Gly Pro
155 160 165
Gly Leu Glu Thr Pro Leu Val Ala Asp Thr Ser Gly Ala Tyr Phe
170 175 180
Arg Arg Glu Gly Leu Gly Ser Asn Tyr Leu Gly Gly Arg Ser Pro
185 190 195
Thr Glu Gln Glu Glu Pro Asp Pro Ala Asn Leu Glu Val Asp His
200 205 210

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Asp	Phe	Phe	Gln	Asp	Lys	Val	Trp	Pro	His	Leu	Ala	Leu	Arg	Val	
				215					220					225	
Pro	Ala	Phe	Glu	Thr	Leu	Lys	Val	Gln	Ser	Ala	Trp	Ala	Gly	Tyr	
				230					235					240	
Tyr	Asp	Tyr	Asn	Thr	Phe	Asp	Gln	Asn	Gly	Val	Val	Gly	Pro	His	
				245					250					255	
Pro	Leu	Val	Val	Asn	Met	Tyr	Phe	Ala	Thr	Gly	Phe	Ser	Gly	His	
				260					265					270	
Gly	Leu	Gln	Gln	Ala	Pro	Gly	Ile	Gly	Arg	Ala	Val	Ala	Glu	Met	
				275					280					285	
Val	Leu	Lys	Gly	Arg	Phe	Gln	Thr	Ile	Asp	Leu	Ser	Pro	Phe	Leu	
				290					295					300	
Phe	Thr	Arg	Phe	Tyr	Leu	Gly	Glu	Lys	Ile	Gln	Glu	Asn	Asn	Ile	
				305					310					315	
Ile															

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Met	Lys	Ser	Val	Ile	Tyr	His	Ala	Leu	Ser	Gln	Lys	Glu	Ala	Asn	
1				5					10					15	
Asp	Ser	Asp	Val	Gln	Pro	Ser	Gly	Ala	Gln	Arg	Ala	Glu	Ala	Phe	
				20					25					30	
Val	Arg	Ala	Phe	Leu	Lys	Arg	Ser	Thr	Pro	Arg	Met	Ser	Pro	Gln	
				35					40					45	
Ala	Arg	Glu	Asp	Gln	Leu	Gln	Arg	Lys	Ala	Val	Val	Leu	Glu	Tyr	
				50					55					60	
Phe	Thr	Arg	His	Lys	Arg	Lys	Glu	Lys	Lys	Lys	Lys	Ala	Lys	Gly	
				65					70					75	
Leu	Ser	Ala	Arg	Gln	Arg	Arg	Glu	Leu	Arg	Leu	Phe	Asp	Ile	Lys	
				80					85					90	
Pro	Glu	Gln	Gln	Arg	Tyr	Ser	Leu	Phe	Leu	Pro	Leu	His	Glu	Leu	
				95					100					105	
Trp	Lys	Gln	Tyr	Ile	Arg	Asp	Leu	Cys	Ser	Gly	Leu	Lys	Pro	Asp	
				110					115					120	
Thr	Gln	Pro	Gln	Met	Ile	Gln	Ala	Lys	Leu	Leu	Lys	Ala	Asp	Leu	
				125					130					135	
His	Gly	Ala	Ile	Ile	Ser	Val	Thr	Lys	Ser	Lys	Cys	Pro	Ser	Tyr	
				140					145					150	
Val	Gly	Ile	Thr	Gly	Ile	Leu	Leu	Gln	Glu	Thr	Lys	His	Ile	Phe	
				155					160					165	
Lys	Ile	Ile	Thr	Lys	Glu	Asp	Arg	Leu	Lys	Val	Ile	Pro	Lys	Leu	
				170					175					180	
Asn	Cys	Val	Phe	Thr	Val	Glu	Thr	Asp	Gly	Phe	Ile	Ser	Tyr	Ile	

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	185		190		195
Tyr Gly Ser Lys Phe Gln Leu Arg Ser Ser Glu Arg Ser Ala Lys					
	200		205		210
Lys Phe Lys Ala Lys Gly Thr Ile Asp Leu					
	215		220		

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<220> -
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Met Gly Ser Thr Glu Ser Ser Glu Gly Arg Arg Val Ser Phe Gly
1 5 10 15
Val Asp Glu Glu Glu Arg Val Arg Val Leu Gln Gly Val Arg Leu
20 25 30
Ser Glu Asn Val Val Asn Arg Met Lys Glu Pro Ser Ser Pro Pro
35 40 45
Pro Ala Pro Thr Ser Ser Thr Phe Gly Leu Gln Asp Gly Asn Leu
50 55 60
Arg Ala Pro His Lys Glu Ser Thr Leu Pro Arg Ser Gly Ser Ser
65 70 75
Gly Gly Gln Gln Pro Ser Gly Met Lys Glu Gly Val Lys Arg Tyr
80 85 90
Glu Gln Glu His Ala Ala Ile Gln Asp Lys Leu Phe Gln Val Ala
95 100 105
Lys Arg Glu Arg Glu Ala Ala Thr Lys His Ser Lys Ala Ser Leu
110 115 120
Pro Thr Gly Glu Gly Ser Ile Ser His Glu Glu Gln Lys Ser Val
125 130 135
Arg Leu Ala Arg Glu Leu Glu Ser Arg Glu Ala Glu Leu Arg Arg
140 145 150
Arg Asp Thr Phe Tyr Lys Glu Gln Leu Glu Arg Ile Glu Arg Lys
155 160 165
Asn Ala Glu Met Tyr Lys Leu Ser Ser Glu Gln Phe His Glu Ala
170 175 180
Ala Ser Lys Met Glu Ser Thr Ile Lys Pro Arg Arg Val Glu Pro
185 190 195
Val Cys Ser Gly Leu Gln Ala Gln Ile Leu His Cys Tyr Arg Asp
200 205 210
Arg Pro His Glu Val Leu Leu Cys Ser Asp Leu Val Lys Ala Tyr
215 220 225
Gln Arg Cys Val Ser Ala Ala His Lys Gly
230 235

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<223> Incyte Clone 1928920

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Met Ala Ser Ser Ala Glu Gly Asp Glu Gly Thr Val Val Ala Leu
1 5 10 15
Ala Gly Val Leu Gln Ser Gly Phe Gln Glu Leu Ser Leu Asn Lys
20 25 30
Leu Ala Thr Ser Leu Gly Ala Ser Glu Gln Ala Leu Arg Leu Ile
35 40 45
Ile Ser Ile Phe Leu Gly Tyr Pro Phe Ala Leu Phe Tyr Arg His
50 55 60
Tyr Leu Phe Tyr Lys Glu Thr Tyr Leu Ile His Leu Phe His Thr
65 70 75
Phe Thr Gly Leu Ser Ile Ala Tyr Phe Asn Phe Gly Asn Gln Leu
80 85 90
Tyr His Ser Leu Leu Cys Ile Val Leu Gln Phe Leu Ile Leu Arg
95 100 105
Leu Met Gly Arg Thr Ile Thr Ala Val Leu Thr Thr Phe Cys Phe
110 115 120
Gln Met Ala Tyr Leu Leu Ala Gly Tyr Tyr Thr Ala Thr Gly
125 130 135
Asn Tyr Asp Ile Lys Trp Thr Met Pro His Cys Val Leu Thr Leu
140 145 150
Lys Leu Ile Gly Leu Ala Val Asp Tyr Phe Asp Gly Gly Lys Asp
155 160 165
Gln Asn Ser Leu Ser Ser Glu Gln Gln Lys Tyr Ala Ile Arg Gly
170 175 180
Val Pro Ser Leu Leu Glu Val Ala Gly Phe Ser Tyr Phe Tyr Gly
185 190 195
Ala Phe Leu Val Gly Pro Gln Phe Ser Met Asn His Tyr Met Lys
200 205 210
Leu Val Gln Gly Glu Leu Ile Asp Ile Pro Gly Lys Ile Pro Asn
215 220 225
Ser Ile Ile Pro Ala Leu Lys Arg Leu Ser Leu Gly Leu Phe Tyr
230 235 240
Leu Val Gly Tyr Thr Leu Leu Ser Pro His Ile Thr Glu Asp Tyr
245 250 255
Leu Leu Thr Glu Asp Tyr Asp Asn His Pro Phe Trp Phe Arg Cys
260 265 270
Met Tyr Met Leu Ile Trp Gly Lys Phe Val Leu Tyr Lys Tyr Val
275 280 285
Thr Cys Trp Leu Val Thr Glu Gly Val Cys Ile Leu Thr Gly Leu
290 295 300
Gly Phe Asn Gly Phe Glu Glu Lys Gly Lys Ala Lys Trp Asp Ala
305 310 315
Cys Ala Asn Met Lys Val Trp Leu Phe Glu Thr Asn Pro Arg Phe
320 325 330

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Thr Gly Thr Ile	Ala Ser Phe Asn Ile	Asn Thr Asn Ala Trp Val	
	335	340	345
Ala Arg Tyr Ile	Phe Lys Arg Leu Lys	Phe Leu Gly Asn Lys Glu	
	350	355	360
Leu Ser Gln Gly	Leu Ser Leu Leu Phe	Leu Ala Leu Trp His Gly	
	365	370	375
Leu His Ser Gly	Tyr Leu Val Cys Phe	Gln Met Glu Phe Leu Ile	
	380	385	390
Val Ile Val Glu	Arg Gln Ala Ala Arg	Leu Ile Gln Glu Ser Pro	
	395	400	405
Thr Leu Ser Lys	Leu Ala Ala Ile Thr	Val Leu Gln Pro Phe Tyr	
	410	415	420
Tyr Leu Val Gln	Gln Thr Ile His Trp	Leu Phe Met Gly Tyr Ser	
	425	430	435
Met Thr Ala Phe	Cys Leu Phe Thr Trp	Asp Lys Trp Leu Lys Val	
	440	445	450
Tyr Lys Ser Ile	Tyr Phe Leu Gly His	Ile Phe Phe Leu Ser Leu	
	455	460	465
Leu Phe Ile Leu	Pro Tyr Ile His Lys	Ala Met Val Pro Arg Lys	
	470	475	480
Glu Lys Leu Lys	Lys Met Glu		
	485		

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 <223> Incyte Clone 2170846

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1 5 10 15	
Ala Leu Leu Arg Lys Arg Arg Tyr His Ala Ala Leu Ala Val Leu	
20 25 30	
Lys Gly Phe Arg Asn Gly Ala Val Tyr Gly Ala Lys Ile Arg Ala	
35 40 45	
Pro His Ala Leu Val Met Thr Phe Leu Phe Arg Asn Gly Ser Leu	
50 55 60	
Gln Glu Lys Leu Trp Ala Ile Leu Gln Ala Thr Tyr Ile His Ser	
65 70 75	
Trp Asn Leu Ala Arg Phe Val Phe Thr Tyr Lys Gly Leu Arg Ala	
80 85 90	
Leu Gln Ser Tyr Ile Gln Gly Lys Thr Tyr Pro Ala His Ala Phe	
95 100 105	
Leu Ala Ala Phe Leu Gly Gly Ile Leu Val Phe Gly Glu Asn Asn	
110 115 120	
Asn Ile Asn Ser Gln Ile Asn Met Tyr Leu Leu Ser Arg Val Leu	
125 130 135	

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05035B03 : 084701

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Leu Asn Val Gln Met Glu Tyr Leu Leu Gln Lys Ile Gln Glu Lys					
	230		235		240
Cys					

<210> 9
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<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone 2212732

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Met Pro Gln Glu Leu Pro Gln Ser Pro Arg Thr Arg Gln Pro Glu
1 5 10 15
Pro Asp Phe Tyr Cys Val Lys Trp Ile Pro Trp Lys Gly Glu Gln
20 25 30
Thr Pro Ile Ile Thr Gln Ser Thr Asn Gly Pro Cys Pro Leu Leu
35 40 45
Ala Ile Met Asn Ile Leu Phe Leu Gln Trp Lys Val Lys Leu Pro
50 55 60
Pro Gln Lys Glu Val Ile Thr Ser Asp Glu Leu Met Ala His Leu
65 70 75
Gly Asn Cys Leu Leu Ser Ile Lys Pro Gln Glu Lys Ser Glu Gly
80 85 90
Leu Gln Leu Asn Phe Gln Gln Asn Val Asp Asp Ala Met Thr Val
95 100 105
Leu Pro Lys Leu Ala Thr Gly Leu Asp Val Asn Val Arg Phe Thr
110 115 120
Gly Val Ser Asp Phe Glu Tyr Thr Pro Glu Cys Ser Val Phe Asp
125 130 135
Leu Leu Gly Ile Pro Leu Tyr His Gly Trp Leu Val Asp Pro Gln
140 145 150
Gln Ser Pro Glu Ala Val Arg Ala Val Gly Lys Leu Ser Tyr Asn
155 160 165
Gln Leu Val Glu Arg Ile Ile Thr Cys Lys His Ser Ser Asp Thr
170 175 180
Asn Leu Val Thr Glu Gly Leu Ile Ala Glu Gln Phe Leu Glu Thr
185 190 195
Thr Ala Ala Gln Leu Thr Tyr His Gly Leu Cys Glu Leu Thr Ala
200 205 210
Ala Ala Lys Glu Gly Glu Leu Ser Val Phe Phe Arg Asn Asn His
215 220 225
Phe Ser Thr Met Thr Lys His Lys Ser His Leu Tyr Leu Leu Val
230 235 240
Thr Asp Gln Gly Phe Leu Gln Glu Glu Gln Val Val Trp Glu Ser
245 250 255
Leu His Asn Val Asp Gly Asp Ser Cys Phe Cys Asp Ser Asp Phe
260 265 270

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"04230" 088860

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His	Leu	Ser	His	Ser	Leu	Gly	Lys	Gly	Pro	Gly	Ala	Glu	Gly	Gly
				275					280					285
Ser	Gly	Ser	Pro	Glu	Lys	Gln	Leu	Gln	Val	Asp	Gln	Asp	Tyr	Leu
				290					295					300
Ile	Ala	Leu	Ser	Leu	Gln	Gln	Gln	Gln	Pro	Arg	Gly	Pro	Leu	Gly
				305					310					315
Leu	Thr	Asp	Leu	Glu	Leu	Ala	Gln	Gln	Leu	Gln	Gln	Glu	Glu	Tyr
				320					325					330
Gln	Gln	Gln	Gln	Ala	Ala	Gln	Pro	Val	Arg	Met	Arg	Thr	Arg	Val
				335					340					345
Leu	Ser	Leu	Gln	Gly	Arg	Gly	Ala	Thr	Ser	Gly	Arg	Pro	Ala	Gly
				350					355					360
Glu	Arg	Arg	Gln	Arg	Pro	Lys	His	Glu	Ser	Asp	Cys	Ile	Leu	Leu
				365					370					375

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1 5 10 15
Leu Gln Asn Leu Ile Lys Arg Asp Pro Pro Ala Tyr Ile Glu Glu
20 25 30
Phe Leu Gln Gln Tyr Asn His Tyr Lys Ser Asn Val Glu Ile Phe
35 40 45
Lys Leu Gln Pro Asn Lys Pro Ser Lys Glu Leu Ala Glu Leu Val
50 55 60
Met Phe Met Ala Gln Ile Ser His Cys Tyr Pro Glu Tyr Leu Ser
65 70 75
Asn Phe Pro Gln Glu Val Lys Asp Leu Leu Ser Cys Asn His Thr
80 85 90
Val Leu Asp Pro Asp Leu Arg Met Thr Phe Cys Lys Ala Leu Ile
95 100 105
Leu Leu Arg Asn Lys Asn Leu Ile Asn Pro Ser Ser Leu Leu Glu
110 115 120
Leu Phe Phe Glu Leu Phe Arg Cys His Asp Lys Leu Leu Arg Lys
125 130 135
Thr Leu Tyr Thr His Ile Val Thr Asp Ile Lys Asn Ile Asn Ala
140 145 150
Lys His Lys Asn Asn Lys Val Asn Val Val Leu Gln Asn Phe Met
155 160 165
Tyr Thr Met Leu Arg Asp Ser Asn Ala Thr Ala Ala Lys Met Ser
170 175 180
Leu Asp Val Met Ile Glu Leu Tyr Arg Arg Asn Ile Trp Asn Asp
185 190 195

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Ala	Lys	Thr	Val	Asn	Val	Ile	Thr	Thr	Ala	Cys	Phe	Ser	Lys	Val	200	205	210
Thr	Lys	Ile	Leu	Val	Ala	Ala	Leu	Thr	Phe	Phe	Leu	Gly	Lys	Asp	215	220	225
Glu	Asp	Glu	Lys	Gln	Asp	Ser	Asp	Ser	Glu	Ser	Glu	Asp	Asp	Gly	230	235	240
Pro	Thr	Ala	Arg	Asp	Leu	Leu	Val	Gln	Tyr	Ala	Thr	Gly	Lys	Lys	245	250	255
Ser	Ser	Lys	Asn	Lys	Lys	Lys	Leu	Glu	Lys	Ala	Met	Lys	Val	Leu	260	265	270
Lys	Lys	Gln	Lys	Lys	Lys	Lys	Lys	Pro	Glu	Val	Phe	Asn	Phe	Ser	275	280	285
Ala	Ile	His	Leu	Ile	His	Asp	Pro	Gln	Asp	Phe	Ala	Glu	Lys	Leu	290	295	300
Leu	Lys	Gln	Leu	Glu	Cys	Cys	Lys	Glu	Arg	Phe	Glu	Val	Lys	Met	305	310	315
Met	Leu	Met	Asn	Leu	Ile	Ser	Arg	Leu	Val	Gly	Ile	His	Glu	Leu	320	325	330
Phe	Leu	Phe	Asn	Phe	Tyr	Pro	Phe	Leu	Lys	Arg	Phe	Leu	Lys	Pro	335	340	345
His	Gln	Arg	Glu	Val	Thr	Lys	Ile	Leu	Leu	Phe	Val	Glu	Lys	Asp	350	355	360
Ser	His	His	Leu	Val	Pro	Gln	Gly	Phe	Phe	Asn	Ser	Trp	Leu	Met	365	370	375
Leu	Gly	Glu	Lys	Ile	Phe	Phe	Asn	Gly	Lys	Lys	Ser	Gly	Lys	Met	380	385	390
Leu	Met	Thr	Val	Gly	Asn	Leu	Met	Val	Lys	Arg	Gly	Val	Tyr	Lys	395	400	405
Arg	Ser	Lys	Val	Phe	Leu	Gly	Gly	Asn	Ser	Val	Gly	Arg	Asn	Phe	410	415	420
Phe	Gln	Lys	Asn	Pro	Gly	Gly	Ser	Ser							425		

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 <223> Incyte Clone 2317552

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 Met Glu Val Ala Glu Pro Ser Ser Pro Thr Glu Glu Glu Glu Glu
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 Glu Glu Glu His Ser Ala Glu Pro Arg Pro Arg Thr Arg Ser Asn
 20 25 30
 Pro Glu Gly Ala Glu Asp Arg Ala Val Gly Ala Gln Ala Ser Val
 35 40 45
 Gly Ser Arg Ser Glu Gly Glu Gly Glu Ala Ala Ser Ala Asp Asp
 50 55 60

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Gly	Ser	Leu	Asn	Thr	Ser	Gly	Ala	Gly	Pro	Lys	Ser	Trp	Gln	Val
				65					70					75
Pro	Pro	Pro	Ala	Pro	Glu	Val	Gln	Ile	Arg	Thr	Pro	Arg	Val	Asn
				80					85					90
Cys	Pro	Glu	Lys	Val	Ile	Ile	Cys	Leu	Asp	Leu	Ser	Glu	Glu	Met
				95					100					105
Ser	Leu	Pro	Lys	Leu	Glu	Ser	Phe	Asn	Gly	Ser	Lys	Thr	Asn	Ala
				110					115					120
Leu	Asn	Val	Ser	Gln	Lys	Met	Ile	Glu	Met	Phe	Val	Arg	Thr	Lys
				125					130					135
His	Lys	Ile	Asp	Lys	Ser	His	Glu	Phe	Ala	Leu	Val	Val	Val	Asn
				140					145					150
Asp	Asp	Thr	Ala	Trp	Leu	Ser	Gly	Leu	Thr	Ser	Asp	Pro	Arg	Glu
				155					160					165
Leu	Cys	Ser	Cys	Leu	Tyr	Asp	Leu	Glu	Thr	Ala	Ser	Cys	Ser	Thr
				170					175					180
Phe	Asn	Leu	Glu	Gly	Leu	Phe	Ser	Leu	Ile	Gln	Gln	Lys	Thr	Glu
				185					190					195
Leu	Pro	Val	Thr	Glu	Asn	Val	Gln	Thr	Ile	Pro	Pro	Pro	Tyr	Val
				200					205					210
Val	Arg	Thr	Ile	Leu	Val	Tyr	Ser	Arg	Pro	Pro	Cys	Gln	Pro	Gln
				215					220					225
Phe	Ser	Leu	Thr	Glu	Pro	Met	Lys	Lys	Met	Phe	Gln	Cys	Pro	Tyr
				230					235					240
Phe	Phe	Phe	Asp	Val	Val	Tyr	Ile	His	Asn	Gly	Thr	Glu	Glu	Lys
				245					250					255
Glu	Glu	Glu	Met	Ser	Trp	Lys	Asp	Met	Phe	Ala	Phe	Met	Gly	Ser
				260					265					270
Leu	Asp	Thr	Lys	Gly	Thr	Ser	Tyr	Lys	Tyr	Glu	Val	Ala	Leu	Ala
				275					280					285
Gly	Pro	Ala	Leu	Glu	Leu	His	Asn	Cys	Met	Ala	Lys	Leu	Leu	Ala
				290					295					300
His	Pro	Leu	Gln	Arg	Pro	Cys	Gln	Ser	His	Ala	Ser	Tyr	Ser	Leu
				305					310					315
Leu	Glu	Glu	Glu	Asp	Glu	Ala	Ile	Glu	Val	Glu	Ala	Thr	Val	
				320					325					

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 Met Gln Asn Asp Ser Phe His Ser Asp Ser His Met Asp Arg Lys
 1 5 10 15
 Lys Phe His Ser Ser Asp Ser Glu Glu Glu Glu His Lys Lys Gln
 20 25 30

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Lys	Met	Asp	Ser	Asp	Glu	Asp	Glu	Lys	Glu	Gly	Glu	Glu	Glu	Lys	
				35					40					45	
Val	Ala	Lys	Arg	Lys	Ala	Ala	Val	Leu	Ser	Asp	Ser	Glu	Asp	Glu	
				50					55					60	
Glu	Lys	Ala	Ser	Ala	Lys	Lys	Ser	Arg	Val	Val	Ser	Asp	Ala	Asp	
				65					70					75	
Asp	Ser	Asp	Ser	Asp	Ala	Val	Ser	Asp	Lys	Ser	Gly	Lys	Arg	Glu	
				80					85					90	
Lys	Thr	Ile	Ala	Ser	Asp	Ser	Glu	Glu	Glu	Ala	Gly	Lys	Glu	Leu	
				95					100					105	
Ser	Asp	Lys	Lys	Asn	Glu	Glu	Lys	Asp	Leu	Phe	Gly	Ser	Asp	Ser	
				110					115					120	
Glu	Ser	Gly	Asn	Glu	Glu	Glu	Asn	Leu	Ile	Ala	Asp	Ile	Phe	Gly	
				125					130					135	
Glu	Ser	Gly	Asp	Glu	Glu	Glu	Glu	Glu	Phe	Thr	Gly	Phe	Asn	Gln	
				140					145					150	
Glu	Asp	Leu	Glu	Glu	Glu	Lys	Gly	Glu	Thr	Gln	Val	Lys	Glu	Ala	
				155					160					165	
Glu	Asp	Ser	Asp	Ser	Asp	Asp	Asn	Ile	Lys	Arg	Gly	Lys	His	Met	
				170					175					180	
Asp	Phe	Leu	Ser	Asp	Phe	Glu	Met	Met	Leu	Gln	Arg	Lys	Lys	Ser	
				185					190					195	
Met	Ser	Gly	Lys	Arg	Arg	Arg	Asn	Arg	Asp	Gly	Gly	Thr	Phe	Ile	
				200					205					210	
Ser	Asp	Ala	Asp	Asp	Val	Val	Ser	Ala	Met	Ile	Val	Lys	Met	Asn	
				215					220					225	
Glu	Ala	Ala	Glu	Glu	Asp	Arg	Gln	Leu	Asn	Asn	Gln	Lys	Lys	Pro	
				230					235					240	
Ala	Leu	Lys	Lys	Leu	Thr	Leu	Leu	Pro	Ala	Val	Val	Met	His	Leu	
				245					250					255	
Lys	Lys	Gln	Asp	Leu	Lys	Glu	Thr	Phe	Ile	Asp	Ser	Gly	Val	Met	
				260					265					270	
Ser	Ala	Ile	Lys	Glu	Trp	Leu	Ser	Pro	Leu	Pro	Asp	Arg	Ser	Leu	
				275					280					285	
Pro	Ala	Leu	Lys	Ile	Arg	Glu	Glu	Leu	Leu	Lys	Ile	Leu	Gln	Glu	
				290					295					300	
Leu	Pro	Ser	Val	Ser	Gln	Glu	Thr	Leu	Lys	His	Ser	Gly	Ile	Gly	
				305					310					315	
Arg	Ala	Val	Met	Tyr	Leu	Tyr	Lys	His	Pro	Lys	Glu	Ser	Arg	Ser	
				320					325					330	
Asn	Lys	Asp	Met	Ala	Gly	Lys	Leu	Ile	Asn	Glu	Trp	Ser	Arg	Pro	
				335					340					345	
Ile	Phe	Gly	Leu	Thr	Ser	Asn	Tyr	Lys	Gly	Met	Thr	Arg	Glu	Glu	
				350					355					360	
Arg	Glu	Gln	Arg	Asp	Leu	Glu	Gln	Met	Pro	Gln	Arg	Arg	Arg	Met	
				365					370					375	
Asn	Ser	Thr	Gly	Gly	Gln	Thr	Pro	Arg	Arg	Asp	Leu	Glu	Lys	Val	
				380					385					390	
Leu	Thr	Gly	Glu	Glu	Lys	Ala	Leu	Arg	Pro	Gly	Asp	Pro	Gly	Phe	
				395					400					405	
Cys	Ala	Arg	Ala	Arg	Val	Pro	Met	Pro	Ser	Asn	Lys	Asp	Tyr	Val	
				410					415					420	
Val	Arg	Pro	Lys	Trp	Asn	Val	Glu	Met	Glu	Ser	Ser	Arg	Phe	Gln	
				425					430					435	

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Ala	Thr	Ser	Lys	Lys	Gly	Ile	Ser	Arg	Leu	Asp	Lys	Gln	Met	Arg
				440					445					450
Lys	Phe	Thr	Asp	Ile	Arg	Lys	Lys	Ser	Arg	Ser	Ala	His	Ala	Val
				455					460					465
Lys	Ile	Ser	Ile	Glu	Gly	Asn	Lys	Met	Pro	Leu				
				470					475					

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<213> Homo sapiens

<220>
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<223> Incyte Clone 2472980

<400> 13

Met	Ala	Ala	Ala	Tyr	Phe	Pro	Asp	Cys	Ile	Val	Arg	Pro	Phe	Gly
1				5					10					15
Ser	Ser	Val	Asn	Thr	Phe	Gly	Lys	Leu	Gly	Cys	Asp	Leu	Asp	Met
				20					25					30
Phe	Leu	Asp	Leu	Asp	Glu	Thr	Arg	Asn	Leu	Ser	Ala	His	Lys	Ile
				35					40					45
Ser	Gly	Asn	Phe	Leu	Met	Glu	Phe	Gln	Val	Lys	Asn	Val	Pro	Ser
				50					55					60
Glu	Arg	Ile	Ala	Thr	Gln	Lys	Ile	Leu	Ser	Val	Leu	Gly	Glu	Cys
				65					70					75
Leu	Asp	His	Phe	Gly	Pro	Gly	Cys	Val	Gly	Val	Gln	Lys	Ile	Leu
				80					85					90
Asn	Ala	Arg	Cys	Pro	Leu	Val	Arg	Phe	Ser	His	Gln	Ala	Ser	Gly
				95					100					105
Phe	Gln	Cys	Asp	Leu	Thr	Thr	Asn	Asn	Arg	Ile	Ala	Leu	Thr	Ser
				110					115					120
Ser	Glu	Leu	Leu	Tyr	Ile	Tyr	Gly	Ala	Leu	Asp	Ser	Arg	Val	Arg
				125					130					135
Ala	Leu	Val	Phe	Ser	Val	Arg	Cys	Trp	Ala	Arg	Ala	His	Ser	Leu
				140					145					150
Thr	Ser	Ser	Ile	Pro	Gly	Ala	Trp	Ile	Thr	Asn	Phe	Ser	Leu	Thr
				155					160					165
Met	Met	Val	Ile	Phe	Phe	Leu	Gln	Arg	Arg	Ser	Pro	Pro	Ile	Leu
				170					175					180
Pro	Thr	Leu	Asp	Ser	Leu	Lys	Thr	Leu	Ala	Asp	Ala	Glu	Asp	Lys
				185					190					195
Cys	Val	Ile	Glu	Gly	Asn	Asn	Cys	Thr	Phe	Val	Arg	Asp	Leu	Ser
				200					205					210
Arg	Ile	Lys	Pro	Ser	Gln	Asn	Thr	Glu	Thr	Leu	Glu	Leu	Leu	Leu
				215					220					225
Lys	Glu	Phe	Phe	Glu	Tyr	Phe	Gly	Asn	Phe	Ala	Phe	Asp	Lys	Asn
				230					235					240
Ser	Ile	Asn	Ile	Arg	Gln	Gly	Arg	Glu	Gln	Asn	Lys	Pro	Asp	Ser
				245					250					255

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Ser	Pro	Leu	Tyr	Ile	Gln	Asn	Pro	Phe	Glu	Thr	Ser	Leu	Asn	Ile
				260					265					270
Ser	Lys	Asn	Val	Ser	Gln	Ser	Gln	Leu	Gln	Lys	Phe	Val	Asp	Leu
				275					280					285
Ala	Arg	Glu	Ser	Ala	Trp	Ile	Leu	Gln	Gln	Glu	Asp	Thr	Asp	Arg
				290					295					300
Pro	Ser	Ile	Ser	Ser	Asn	Arg	Pro	Trp	Gly	Leu	Val	Ser	Leu	Leu
				305					310					315
Leu	Pro	Ser	Ala	Pro	Asn	Arg	Lys	Ser	Phe	Thr	Lys	Lys	Lys	Ser
				320					325					330
Asn	Lys	Phe	Ala	Ile	Glu	Thr	Val	Lys	Asn	Leu	Leu	Glu	Ser	Leu
				335					340					345
Lys	Gly	Asn	Arg	Thr	Glu	Asn	Phe	Thr	Lys	Thr	Ser	Gly	Lys	Arg
				350					355					360
Thr	Ile	Ser	Thr	Gln	Thr									
				365										

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 <223> Incyte Clone 2541640

<400> 14
 Met Gly Gly Val Gly Val Ala Glu Ala Ala Arg Pro Leu Leu Ser
 1 5 10 15
 Trp Pro Thr Ile Ser Leu Thr Ile Phe Thr Ala Val Asn Ser Ser
 20 25 30
 Gln Gly Gly Gly Leu Val Gln Arg Gln Leu Arg Phe His Asn Ser
 35 40 45
 His Arg Val Leu Cys Arg Arg Cys Pro Cys Pro Pro Thr Pro Ala
 50 55 60
 Trp Trp Glu Cys Asp Ala Arg Leu Leu Pro Pro Pro Trp Pro Pro
 65 70 75
 Val Pro Pro Ala Ser Thr Ser Pro Glu Ile Leu Pro Thr Pro His
 80 85 90
 Leu His Arg Ser Pro His Ala Pro Gly Ala Pro Lys Pro Pro Pro
 95 100 105
 Asn Pro Thr His Pro Gly Ala Gly Thr Gly Val Ser Glu Leu Ser
 110 115 120
 Gln Gly Pro Trp Glu Val Ala Gly Thr Gly Ala Ser Cys Ser Leu
 125 130 135
 Phe His Phe Pro Phe Arg Ile Trp Pro Gly Trp Arg Thr Gly Gln
 140 145 150
 Asp Gly

0993800" E088E660
 104230" E088E660

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<210> 15
<211> 233
<212> PRT
<213> Homo sapiens

<220>
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<223> Incyte Clone 2695204

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Met Gly Arg Arg Leu Lys Gly Ala Arg Arg Leu Lys Leu Ser Pro
1 5 10 15
Leu Arg Ser Leu Arg Lys Gly Pro Gly Leu Leu Ser Pro Pro Ser
20 25 30
Ala Ser Pro Val Pro Thr Pro Ala Val Ser Arg Thr Leu Leu Gly
35 40 45
Asn Phe Glu Glu Ser Leu Leu Arg Gly Arg Phe Ala Pro Ser Gly
50 55 60
His Ile Glu Gly Phe Thr Ala Glu Ile Gly Ala Ser Gly Ser Tyr
65 70 75
Cys Pro Gln His Val Thr Leu Pro Val Thr Val Thr Phe Phe Asp
80 85 90
Val Ser Glu Gln Asn Ala Pro Ala Pro Phe Leu Gly Ile Val Asp
95 100 105
Leu Asn Pro Leu Gly Arg Lys Gly Tyr Ser Val Pro Lys Val Gly
110 115 120
Thr Val Gln Val Thr Leu Phe Asn Pro Asn Gln Thr Val Val Lys
125 130 135
Met Phe Leu Val Thr Phe Asp Phe Ser Asp Met Pro Ala Ala His
140 145 150
Met Thr Phe Leu Arg His Arg Leu Phe Leu Val Pro Val Gly Glu
155 160 165
Glu Gly Asn Ala Asn Pro Thr His Arg Leu Leu Cys Tyr Leu Leu
170 175 180
His Leu Arg Phe Arg Ser Ser Arg Ser Gly Arg Leu Ser Leu His
185 190 195
Gly Asp Ile Arg Leu Leu Phe Ser Arg Arg Ser Leu Glu Leu Asp
200 205 210
Thr Gly Leu Pro Tyr Glu Leu Gln Ala Val Thr Glu Ala Pro His
215 220 225
Asn Pro Arg Tyr Ser Pro Leu Pro
230

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<212> PRT
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<220>
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<400> 16

Met	Glu	Val	Leu	Arg	Pro	Gln	Leu	Ile	Arg	Ile	Asp	Gly	Arg	Asn	
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Tyr	Arg	Lys	Asn	Pro	Val	Gln	Glu	Gln	Thr	Tyr	Gln	His	Glu	Glu	
			20						25					30	
Asp	Glu	Glu	Asp	Phe	Tyr	Gln	Gly	Ser	Met	Glu	Cys	Ala	Asp	Glu	
			35						40					45	
Pro	Cys	Asp	Ala	Tyr	Glu	Val	Glu	Gln	Thr	Pro	Gln	Gly	Phe	Arg	
			50						55					60	
Ser	Thr	Leu	Arg	Ala	Pro	Ser	Leu	Leu	Tyr	Lys	His	Ile	Val	Gly	
			65						70					75	
Lys	Arg	Gly	Asp	Thr	Arg	Lys	Lys	Ile	Glu	Met	Glu	Thr	Lys	Thr	
			80						85					90	
Ser	Ile	Ser	Ile	Pro	Lys	Pro	Gly	Gln	Asp	Gly	Glu	Ile	Val	Ile	
			95						100					105	
Thr	Gly	Gln	His	Arg	Asn	Gly	Val	Ile	Ser	Ala	Arg	Thr	Arg	Ile	
			110						115					120	
Asp	Val	Leu	Leu	Asp	Thr	Phe	Arg	Arg	Lys	Gln	Pro	Phe	Thr	His	
			125						130					135	
Phe	Leu	Ala	Phe	Phe	Leu	Asn	Glu	Val	Glu	Val	Gln	Glu	Gly	Phe	
			140						145					150	
Leu	Arg	Phe	Gln	Glu	Glu	Val	Leu	Ala	Lys	Cys	Ser	Met	Asp	His	
			155						160					165	
Gly	Val	Asp	Ser	Ser	Ile	Phe	Gln	Asn	Pro	Lys	Lys	Leu	His	Leu	
			170						175					180	
Thr	Ile	Gly	Met	Leu	Val	Leu	Leu	Ser	Glu	Glu	Glu	Ile	Gln	Gln	
			185						190					195	
Thr	Cys	Glu	Met	Leu	Gln	Gln	Cys	Lys	Glu	Glu	Phe	Ile	Asn	Asp	
			200						205					210	
Ile	Ser	Gly	Gly	Lys	Pro	Leu	Glu	Val	Glu	Met	Ala	Gly	Ile	Glu	
			215						220					225	
Tyr	Met	Asn	Asp	Asp	Pro	Gly	Met	Val	Asp	Val	Leu	Tyr	Ala	Lys	
			230						235					240	
Val	His	Met	Lys	Asp	Gly	Ser	Asn	Arg	Leu	Gln	Glu	Leu	Val	Asp	
			245						250					255	
Arg	Val	Leu	Glu	Arg	Phe	Gln	Ala	Ser	Gly	Leu	Ile	Val	Lys	Glu	
			260						265					270	
Trp	Asn	Ser	Val	Lys	Leu	His	Ala	Thr	Val	Met	Asn	Thr	Leu	Phe	
			275						280					285	
Arg	Lys	Asp	Pro	Asn	Ala	Glu	Gly	Arg	Tyr	Asn	Leu	Tyr	Thr	Ala	
			290						295					300	
Glu	Gly	Lys	Tyr	Ile	Phe	Lys	Glu	Arg	Glu	Ser	Phe	Asp	Gly	Arg	
			305						310					315	
Asn	Ile	Leu	Lys	Leu	Phe	Glu	Asn	Phe	Tyr	Phe	Gly	Ser	Leu	Lys	
			320						325					330	
Leu	Asn	Ser	Ile	His	Ile	Ser	Gln	Arg	Phe	Thr	Val	Asp	Ser	Phe	
			335						340					345	
Gly	Asn	Tyr	Ala	Ser	Cys	Gly	Gln	Ile	Asp	Phe	Ser				
			350						355						

<210> 17

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<211> 251

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone 2850382

<400> 17

Met Glu Pro Gly Glu Glu Leu Glu Glu Glu Gly Ser Pro Gly Gly
1 5 10 15
Arg Glu Asp Gly Phe Thr Ala Glu His Leu Ala Ala Glu Ala Met
20 25 30
Ala Ala Asp Met Asp Pro Trp Leu Val Phe Asp Ala Arg Thr Thr
35 40 45
Pro Ala Thr Glu Leu Asp Ala Trp Leu Ala Lys Tyr Pro Pro Ser
50 55 60
Gln Val Thr Arg Tyr Gly Asp Pro Gly Ser Pro Asn Ser Glu Pro
65 70 75
Val Gly Trp Ile Ala Val Tyr Gly Gln Gly Tyr Ser Pro Asn Ser
80 85 90
Gly Asp Val Gln Gly Leu Gln Ala Ala Trp Glu Ala Leu Gln Thr
95 100 105
Ser Gly Arg Pro Ile Thr Pro Gly Thr Leu Arg Gln Leu Ala Ile
110 115 120
Thr His His Val Leu Ser Gly Lys Trp Leu Met His Leu Ala Pro
125 130 135
Gly Phe Lys Leu Asp His Ala Trp Ala Gly Ile Ala Arg Ala Val
140 145 150
Val Glu Gly Arg Leu Gln Val Ala Lys Val Ser Pro Arg Ala Lys
155 160 165
Glu Gly Gly Arg Gln Val Ile Cys Val Tyr Thr Asp Asp Phe Thr
170 175 180
Asp Arg Leu Gly Val Leu Glu Ala Asp Ser Ala Ile Arg Ala Ala
185 190 195
Gly Ile Lys Cys Leu Leu Thr Tyr Lys Pro Asp Val Tyr Thr Tyr
200 205 210
Leu Gly Ile Tyr Arg Ala Asn Arg Trp His Leu Cys Pro Thr Leu
215 220 225
Tyr Glu Ser Arg Phe Gln Leu Gly Gly Ser Ala Arg Gly Ser Arg
230 235 240
Val Leu Asp Arg Ala Asn Asn Val Glu Leu Thr
245 250

<210> 18

<211> 105

<212> PRT

<213> Homo sapiens

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<400> 18

<210> 19

<211> 876

<212> PRT

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<223> Incyte Clone 3033039

<400> 19

19

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	170		175		180
Arg Glu Asp Ala	Glu Lys Phe Ala Arg	Gly Ile Cys Asp Tyr	Phe		
	185		190		195
Pro Ser Pro Ser	Lys Thr Ser Leu Pro	Leu Ser Pro Val Lys	Thr		
	200		205		210
Ala Pro Leu Phe	Ser Asn Asp Arg Leu	Lys Asp Gly Leu Cys	Leu		
	215		220		225
Ser Glu Ser Glu	Thr Val Asn Lys Glu	Arg Ala Asn Ser Tyr	Lys		
	230		235		240
Asn Pro Arg Thr	Gln Asp Leu Thr Ala	Lys Leu Arg Lys Ala	Val		
	245		250		255
Glu Lys Gly Glu	Glu Asp Thr Phe Ser	Asp Leu Ile Trp Ser	Asn		
	260		265		270
Pro Arg Tyr Leu	Ile Gly Ser Gly Asp	Asn Pro Thr Ile Val	Gln		
	275		280		285
Glu Gly Cys Arg	Tyr Asn Val Met His	Val Ala Ala Lys Glu	Asn		
	290		295		300
Gln Ala Ser Ile	Cys Gln Leu Thr Leu	Asp Val Leu Glu Asn	Pro		
	305		310		315
Asp Phe Met Arg	Leu Met Tyr Pro Asp	Asp Asp Glu Ala Met	Leu		
	320		325		330
Gln Lys Arg Ile	Arg Tyr Val Val Asp	Leu Tyr Leu Asn Thr	Pro		
	335		340		345
Asp Lys Met Gly	Tyr Asp Thr Pro Leu	His Phe Ala Cys Lys	Phe		
	350		355		360
Gly Asn Ala Asp	Val Val Asn Val Leu	Ser Ser His His Leu	Ile		
	365		370		375
Val Lys Asn Ser	Arg Asn Lys Tyr Asp	Lys Thr Pro Glu Asp	Val		
	380		385		390
Ile Cys Glu Arg	Ser Lys Asn Lys Ser	Val Glu Leu Lys Glu	Arg		
	395		400		405
Ile Arg Glu Tyr	Leu Lys Gly His Tyr	Tyr Val Pro Leu Leu	Arg		
	410		415		420
Ala Glu Glu Thr	Ser Ser Pro Val Ile	Gly Glu Leu Trp Ser	Pro		
	425		430		435
Asp Gln Thr Ala	Glu Ala Ser His Val	Ser Arg Tyr Gly Gly	Ser		
	440		445		450
Pro Arg Asp Pro	Val Leu Thr Leu Arg	Ala Phe Ala Gly Pro	Leu		
	455		460		465
Ser Pro Ala Lys	Ala Glu Asp Phe Arg	Lys Leu Trp Lys Thr	Pro		
	470		475		480
Pro Arg Glu Lys	Ala Gly Phe Leu His	His Val Lys Lys Ser	Asp		
	485		490		495
Pro Glu Arg Gly	Phe Glu Arg Val Gly	Arg Glu Leu Ala His	Glu		
	500		505		510
Leu Gly Tyr Pro	Trp Val Glu Tyr Trp	Glu Phe Leu Gly Cys	Phe		
	515		520		525
Val Asp Leu Ser	Ser Gln Glu Gly Leu	Gln Arg Leu Glu Glu	Tyr		
	530		535		540
Leu Thr Gln Gln	Glu Ile Gly Lys Lys	Ala Gln Gln Glu Thr	Gly		
	545		550		555
Glu Arg Glu Ala	Ser Cys Arg Asp Lys	Ala Thr Thr Ser Gly	Ser		
	560		565		570
Asn Ser Ile Ser	Val Arg Ala Phe Leu	Asp Glu Asp Asp Met	Ser		

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	575		580		585
Leu Glu Glu Ile	Lys Asn Arg Gln Asn	Ala Ala Arg Asn Asn	Ser		
	590		595		600
Pro Pro Thr Val	Gly Ala Phe Gly His	Thr Arg Cys Ser Ala	Phe		
	605		610		615
Pro Leu Glu Gln	Glu Ala Asp Leu Ile	Glu Ala Ala Glu Pro	Gly		
	620		625		630
Gly Pro His Ser	Ser Arg Asn Gly Leu	Cys His Pro Leu Asn	His		
	635		640		645
Ser Arg Thr Leu	Ala Gly Lys Arg Pro	Lys Ala Pro Arg Gly	Glu		
	650		655		660
Glu Ala His Leu	Pro Pro Val Ser Asp	Leu Thr Val Glu Phe	Asp		
	665		670		675
Lys Leu Asn Leu	Gln Asn Ile Gly Arg	Ser Val Ser Lys Thr	Pro		
	680		685		690
Asp Glu Ser Thr	Lys Thr Lys Asp Gln	Ile Leu Thr Ser Arg	Ile		
	695		700		705
Asn Ala Val Glu	Arg Asp Leu Leu Glu	Pro Ser Pro Ala Asp	Gln		
	710		715		720
Leu Gly Asn Gly	His Arg Arg Thr Glu	Ser Glu Met Ser Ala	Arg		
	725		730		735
Ile Ala Lys Met	Ser Leu Ser Pro Ser	Ser Pro Arg His Glu	Asp		
	740		745		750
Gln Leu Glu Val	Thr Arg Glu Pro Ala	Arg Arg Leu Phe Leu	Phe		
	755		760		765
Gly Glu Glu Pro	Ser Lys Leu Asp Gln	Asp Val Leu Ala Ala	Leu		
	770		775		780
Glu Cys Ala Asp	Val Asp Pro His Gln	Phe Pro Ala Val His	Arg		
	785		790		795
Trp Lys Ser Ala	Val Leu Cys Tyr Ser	Pro Ser Asp Arg Gln	Ser		
	800		805		810
Trp Pro Ser Pro	Ala Val Lys Gly Arg	Phe Lys Ser Gln Leu	Pro		
	815		820		825
Asp Leu Ser Gly	Pro His Ser Tyr Ser	Pro Gly Arg Asn Ser	Val		
	830		835		840
Ala Gly Ser Asn	Pro Ala Lys Pro Gly	Leu Gly Ser Pro Gly	Arg		
	845		850		855
Tyr Ser Pro Val	His Gly Ser Gln Leu	Arg Arg Met Ala Arg	Leu		
	860		865		870
Ala Glu Leu Ala	Ala Leu				
	875				

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 <213> Homo sapiens

<220>
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 <223> Incyte Clone 3039890

[illegible]

Met	Ser	Arg	Ser	Tyr	Asn	Asp	Glu	Leu	Gln	Phe	Leu	Glu	Lys	Ile
1				5					10					15
Asn	Lys	Asn	Cys	Trp	Arg	Ile	Lys	Lys	Gly	Phe	Val	Pro	Asn	Met
				20					25					30
Gln	Val	Glu	Gly	Val	Phe	Tyr	Val	Asn	Asp	Ala	Leu	Glu	Lys	Leu
				35					40					45
Met	Phe	Glu	Glu	Leu	Arg	Asn	Ala	Cys	Arg	Gly	Gly	Gly	Val	Gly
				50					55					60
Gly	Phe	Leu	Pro	Ala	Met	Lys	Gln	Ile	Gly	Asn	Val	Ala	Ala	Leu
				65					70					75
Pro	Gly	Ile	Val	His	Arg	Ser	Ile	Gly	Leu	Pro	Asp	Val	His	Ser
				80					85					90
Gly	Tyr	Gly	Phe	Ala	Ile	Gly	Asn	Met	Ala	Ala	Phe	Asp	Met	Asn
				95					100					105
Asp	Pro	Glu	Ala	Val	Val	Ser	Pro	Gly	Gly	Val	Gly	Phe	Asp	Ile
				110					115					120
Asn	Cys	Gly	Val	Arg	Leu	Leu	Arg	Thr	Asn	Leu	Asp	Glu	Ser	Asp
				125					130					135
Val	Gln	Pro	Val	Lys	Glu	Gln	Leu	Ala	Gln	Ala	Met	Phe	Asp	His
				140					145					150
Ile	Pro	Val	Gly	Val	Gly	Ser	Lys	Gly	Val	Ile	Pro	Met	Asn	Ala
				155					160					165
Lys	Asp	Leu	Glu	Glu	Ala	Leu	Glu	Met	Gly	Val	Asp	Trp	Ser	Leu
				170					175					180
Arg	Glu	Gly	Tyr	Ala	Trp	Ala	Glu	Asp	Lys	Glu	His	Cys	Glu	Glu
				185					190					195
Tyr	Gly	Arg	Met	Leu	Gln	Ala	Asp	Pro	Asn	Lys	Val	Ser	Ala	Arg
				200					205					210
Ala	Lys	Lys	Arg	Gly	Leu	Pro	Gln	Leu	Gly	Thr	Leu	Gly	Ala	Gly
				215					220					225
Asn	His	Tyr	Ala	Glu	Ile	Gln	Val	Val	Asp	Glu	Ile	Phe	Asn	Glu
				230					235					240
Tyr	Ala	Ala	Lys	Lys	Met	Gly	Ile	Asp	His	Lys	Gly	Gln	Val	Cys
				245					250					255
Val	Met	Ile	His	Ser	Gly	Ser	Arg	Gly	Leu	Gly	His	Gln	Val	Ala
				260					265					270
Thr	Asp	Ala	Leu	Val	Ala	Met	Glu	Lys	Ala	Met	Lys	Arg	Asp	Lys
				275					280					285
Ile	Ile	Val	Asn	Asp	Arg	Gln	Leu	Ala	Cys	Ala	Arg	Ile	Ala	Ser
				290					295					300
Pro	Glu	Gly	Gln	Asp	Tyr	Leu	Lys	Gly	Met	Ala	Ala	Ala	Gly	Asn
				305					310					315
Tyr	Ala	Trp	Val	Asn	Arg	Ser	Ser	Met	Thr	Phe	Leu	Thr	Arg	Gln
				320					325					330
Ala	Phe	Ala	Lys	Val	Phe	Asn	Thr	Thr	Pro	Asp	Asp	Leu	Asp	Leu
				335					340					345
His	Val	Ile	Tyr	Asp	Val	Ser	His	Asn	Ile	Ala	Lys	Val	Glu	Gln

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	395		400		405
Gly Thr Cys Ser	Tyr Val Leu Thr Gly Thr Glu Gln Gly Met Thr				
	410		415		420
Glu Thr Phe Gly	Thr Thr Cys His Gly Ala Gly Arg Ala Leu Ser				
	425		430		435
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Lys Leu Ala Asp	Met Gly Ile Ala Ile Arg Val Ala Ser Pro Lys				
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Leu Val Met Glu	Glu Ala Pro Glu Ser Tyr Lys Asn Val Thr Asp				
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PF-0695-2 CON

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<212> DNA
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PF-0695-2 CON

<220>

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<223> Incyte Clone 1928920

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PF-0695-2 CON

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<223> Incyte Clone 2212732

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<220>

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<223> Incyte Clone 2303457

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<213> Homo sapiens
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<211> 2110

<212> DNA

<213> Homo sapiens

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